

ABSTRACT

A method for producing a phosphor comprises a burning step to burn a phosphor material containing elements constituting a host material of the phosphor and an activator or compounds containing the elements by heating. In the burning step, the phosphor material is continuously passed through a rotating tubular heating furnace disposed in a tilting manner with respect to a horizon to be heated and burned in the heating furnace, and the burned material 5 continuously discharged from the heating furnace is cooled down rapidly. Spherical phosphor particles which are uniform in a particle diameter and shape thereof and exhibit high dispersibility 10 can be produced at low cost and in good yield.